

ABSTRACT OF THE DISCLOSURE

A memory card cooperating with a network interface for receiving data entry and update signals from a database manager via a switch fabric and with a bus interface for outputting data on a system bus disposed in a system shelf, which shelf forms at least a portion of a telecommunications node having a distributed scalable database system. The memory card is operable to contain at least a portion of the distributed database in a high speed, high density memory block disposed thereon, which memory block is coupled to a network interface controller via a first memory interface and to a bus interface controller via a second memory interface. An arbiter is coupled to the first and second memory interfaces for arbitrating data input operations and data output operations with respect to the memory block.